

# Ohio Department of Natural Resources

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# Ohio Coastal Management Program

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- **Defines Ohio's Coastal Management Area;**

- **Takes into consideration:**

- Ohio's Lake Erie Watershed
- Entire Lake Erie Watershed
- Entire Great Lakes Watershed

- Describes state and federal coastal legislation and management policies **for the Lake Erie coastal area.**

- Links state programs, regulations and laws from various state agencies in a coastal network.

- **Organizes state laws and regulations into (9) nine issue areas:**

- 1) Coastal Erosion and Flooding
- 2) Water Quality
- 3) Wetlands and other Ecologically Sensitive Resources
- 4) Ports and Shoreline Development
- 5) Recreation and Cultural Resources
- 6) Fish and Wildlife Management
- 7) Environmental Quality
- 8) Energy and Mineral Resources
- 9) Water Quantity



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# Coastal Management's Role

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- Administration of the **Ohio Coastal Management Program**
  - Administering Ohio Revised Code and Ohio Administrative Code regarding coastal development.
  - Organizing a coastal partnership network.
  - Providing education, outreach and free technical assistance.
  - Monitoring & Mapping coastal resources.
  - Granting money for coastal improvement projects.



# Climate Change Challenges

- Alternative Energy
- Flooding
- Nature Preserves
- Lake Level Controls
- Community Resilience/Social Issues



# Climate Change Challenges

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- Alternative Energy
  - Wind
    - Onshore turbine effects on wildlife (birds and bats)
    - Offshore turbines – submerged lands rule making; distribution of resource to commercial interests

# Climate Change Challenges

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- **Flooding**
  - Higher intensity storms
    - Increased runoff
    - Less groundwater
    - More flash flooding
  - Greater frequency of design storms, FEMA maps become obsolete
  - Leads to resource damage, property damage

# Climate Change Challenges

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- Nature Preserves
  - Isolated, unique habitats
  - Plant species may not be able to move
  - New habitats need time to stabilize
  - Lake Erie is a barrier to northern migration of plant species
  - Policy decisions:
    - do we move plants?
    - Create habitats?
    - Where?
- Nearshore Habitats – changes?



## Ohio Coastal Management Program

# Climate Change Challenges



- Lake Level Control
  - If lake levels drop there will probably be a demand for level control
  - Approximately 5:1 surface area between Lake Michigan-Huron to Lake Erie
  - Retaining 1' of water level these lakes equals 5' drop in Lake Erie
  - Controls on Lake St. Clair and Niagara R.?
  - Negative effects documented on Lake Ontario from level control



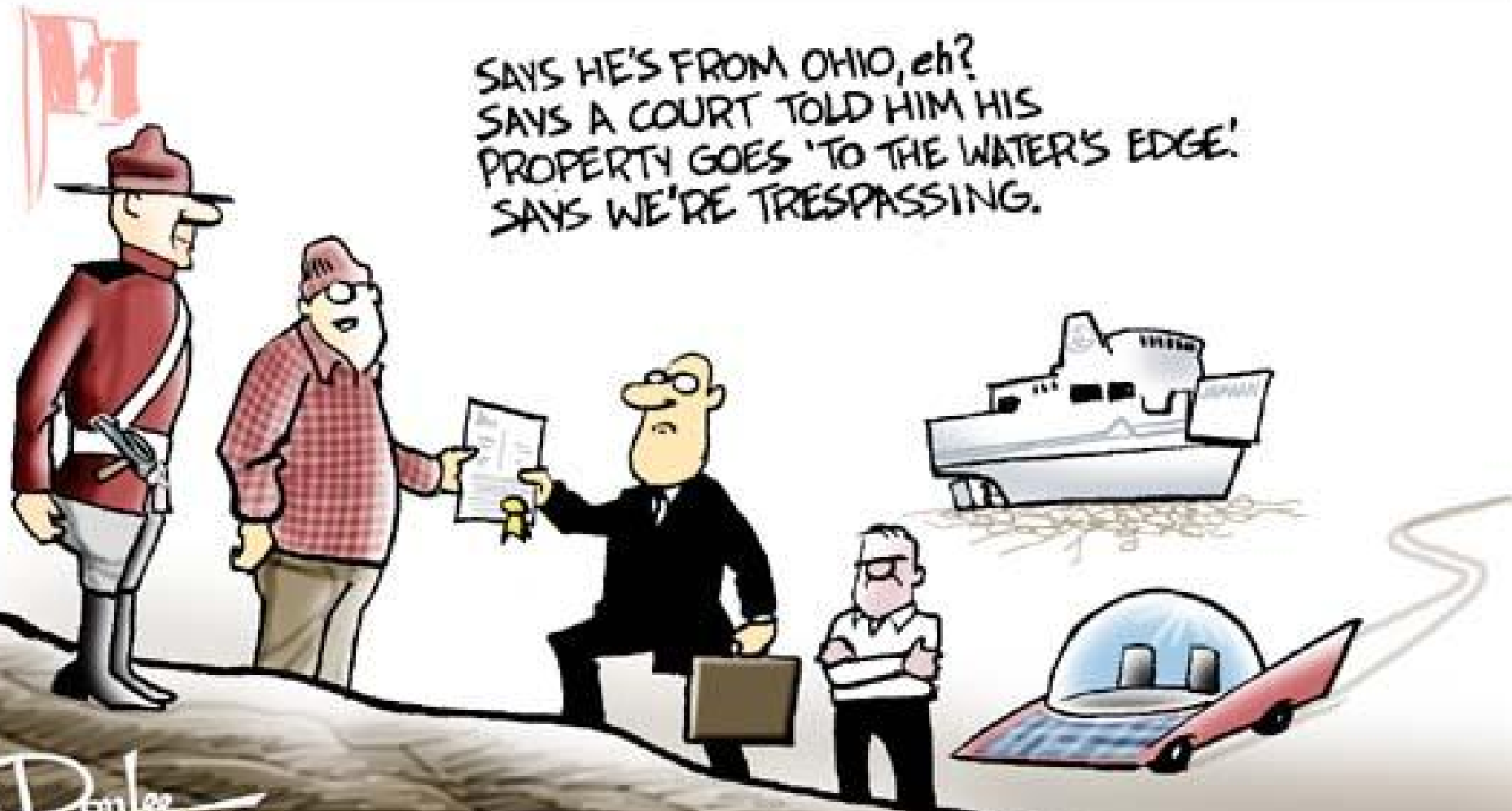
# Climate Change Challenges

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- **Community Resilience & Social Issues**
  - Preventing property and resource damage, and/or increasing communities' ability to adapt when damage occurs
  - What are the concerns of littoral property owners? How do we best address them?
  - Communication and education/outreach – best practices?

# 2108: SOMEWHERE BETWEEN LEAMINGTON AND ERIEAU, ONTARIO...

SAYS HE'S FROM OHIO, eh?  
SAYS A COURT TOLD HIM HIS  
PROPERTY GOES 'TO THE WATER'S EDGE.'  
SAYS WE'RE TRESPASSING.



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# Questions?

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